

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

Component Diesel Engine

Fluid

PETRO CANADA DURON SHP 15W40 (10 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

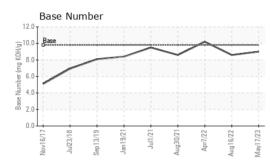
Fluid Condition

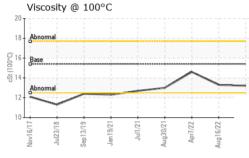
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sample Number Client Info GFL0050875 GFL0050824 GFL	history2					
	.0043352					
Sample Date Client Info 17 May 2023 16 Aug 2022 07 A	pr 2022					
Machine Age hrs Client Info 32200 31875 3125	95					
Oil Age hrs Client Info 32200 580 414						
Oil Changed Client Info Changed N/A						
Sample Status NORMAL NORMAL NOR	RMAL					
CONTAMINATION method limit/base current history1	history2					
Fuel WC Method >5 <1.0	1.0					
Glycol WC Method NEG NEG N	IEG					
WEAR METALS method limit/base current history1 history2						
Iron ppm ASTM D5185m >120 2 10 1						
Chromium ppm ASTM D5185m >20 0 <1						
Nickel ppm ASTM D5185m >5 <1						
Titanium ppm ASTM D5185m >2 0 <1						
Silver ppm ASTM D5185m >2 0 4 <	1					
Aluminum ppm ASTM D5185m >20 0 1 <						
Lead ppm ASTM D5185m >40 <1 1 <						
Copper ppm ASTM D5185m >330 <1	1					
Tin ppm ASTM D5185m >15 0 <1	1					
Antimony ppm ASTM D5185m	-					
Vanadium ppm ASTM D5185m 0 <1						
Cadmium ppm ASTM D5185m 0 <1						
ADDITIVES method limit/base current history1	history2					
Boron ppm ASTM D5185m 0 17 14 1	7					
Barium ppm ASTM D5185m 0 0 0 0 0						
Molybdenum ppm ASTM D5185m 60 65 56 66	0					
Molybdenum ppm ASTM D5185m 60 65 56 66 Manganese ppm ASTM D5185m 0 <1	0 1					
Molybdenum ppm ASTM D5185m 60 65 56 60 Manganese ppm ASTM D5185m 0 <1	0 1 26					
Molybdenum ppm ASTM D5185m 60 65 56 60 Manganese ppm ASTM D5185m 0 <1	0 1 26 100					
Molybdenum ppm ASTM D5185m 60 65 56 66 Manganese ppm ASTM D5185m 0 <1	0 1 26 100 071					
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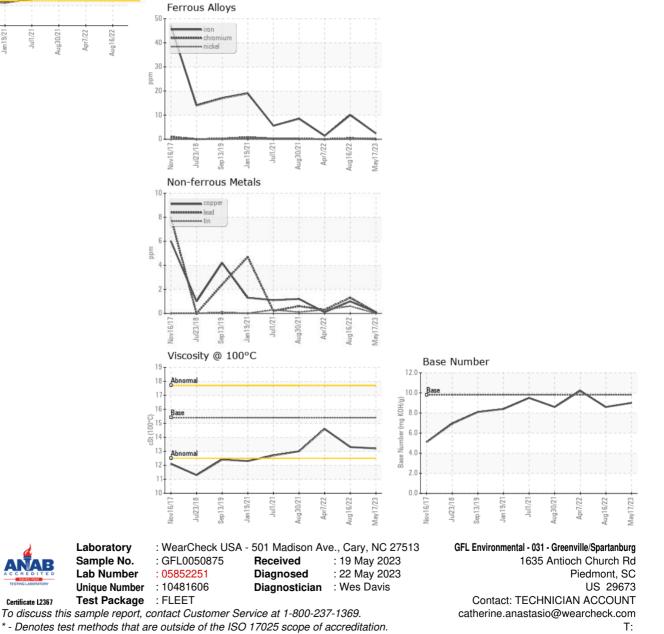


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.2	13.3	14.6
GRAPHS						



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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

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